

CLAIMS

WHAT IS CLAIMED IS:

1. A device for supplying several lubrication points on machine parts with lubricant comprising:

a) an electromechanical lubricant dispenser for housing lubricant;

b) an electrical control disposed in said dispenser;

c) a distribution device connected at a lubricant outlet of said lubricant dispenser said distribution device comprising:

i) a housing;

ii) a cylindrical hollow distributor body mounted to rotate about a vertical axis (A) and having an opening in a top region to receive the lubricant, at least two distributor bores disposed on its circumference, offset axially from one another;

iii) a fixed cylindrical distributor sleeve that surrounds said distributor body forming a seal, wherein and said fixed cylindrical distributor sleeve has at least one opening bore that corresponds to each of said distributor bores, wherein each distributor bore has a release angle position of said distributor body assigned to it in which each distributor bore can be aligned with an associated opening bore assigned to it and can uncover said opening bore to allow said lubricant to be discharged from said distributor body and through said distributor sleeve;

d) at least one electric motor drive disposed in said housing of said distribution device and coupled to said distributor body to rotate said distributor body, and in communication with and controlled by said electronic control; and

e) at least one switch disposed in said housing and in communication with said electric control and serving as a running path control for starting or stopping the rotational movement of said motor and said distributor body moving to different release angle positions.

2. The device as in claim 1, further comprising a plurality of position pins that are releaseably attached to said distributor body and which are assigned to different release angle positions as switch elements to interact with said switch.

3. The device as in claim 1, wherein said electronic control predetermines an amount for lubricant dispensing and wherein said electronic control is in communication with said electric motor drive and sends a control impulse to said electric motor drive to trigger a rotational movement of said distributor body after said lubricant amount has been dispensed but before said lubricant dispenser receives a new dispensing pulse from said electronic control.

4. The device as in claim 1, wherein said distribution device further comprises a sensor for recognizing release angle position, wherein said sensor produces different signals assigned to each different release angle position.

5. The device as in claim 1, wherein said distributor body further comprises an indicator, which defines a

reference value for an angle of rotation and wherein said sensor detects said indicator so that said sensor can then send a signal back to said electronic control.

6. The device as in claim 5, wherein said electric motor drive further comprises a sensor for detecting an angle of rotation that refers back to said indicator reference value, wherein said electric motor drive sensor sends measurement values back to said electronic control to indicate the angle of rotation.

7. A device for supplying several lubrication points on machine parts with lubricant comprising:

a) an electromechanical lubricant dispenser for housing lubricant;

b) an electrical control disposed in said dispenser;

c) a distribution device connected at a lubricant outlet of said lubricant dispenser said distribution device comprising:

i) a housing;

ii) a cylindrical hollow distributor body mounted to rotate about a vertical axis (A) and having an opening in a top region, at least two distributor bores disposed on its circumference, offset axially from one another;

iii) a fixed cylindrical distributor sleeve that surrounds said distributor body forming a seal, wherein and said fixed cylindrical distributor sleeve has at least one opening bore that corresponds to each of said distributor bores in said cylindrical hollow distributor body, wherein each distributor bore has a release angle position of said distributor body assigned to it in which each distributor bore is aligned with an associated opening bore assigned to it and uncovers said opening bore to allow said lubricant to be discharged from said distributor body and through said distributor sleeve;

d) at least one electric motor drive disposed in said housing of said distribution device, and in communication with said electronic control;

e) at least one switch disposed in said housing and in communication with said electric control serving as a running path control for starting or stopping the rotational movement of said electric motor and thus said distributor body moving to different release angle positions; and

f) at least one pump disposed in said dispenser wherein said pump is in communication with said electric control and is operated separately from said motor, wherein said pump pumps said lubricant out of said distributor body and out of said distributor sleeve to lubricate the machine parts.